Program Release Information

CSES-ID-No. DLBT1200616EN01
Model:bizhub PRO C6500/C6500P, ineo+6500, bizhub PRO C6501/C6501P, Ineo+6501, bizhub PRO C65hc, LD-6500, LD-6501
Image control program and Print control program Ver.G00-70
Title: bizhub PRO C6500/C6500P, bizhub PRO C6501/C6501P C65hc, LD-6500/LD-6501
Release of mass production version G00-70

4/July/2012

DEVELOP ineo+6500 +6501

1. Release version and download file name
The newly released program version and download file name are as follows.

Model	Spec	Program name	ROM name	Version	File name	Note
bizhub PRO C6500/C6500P C6501/C6501P C65hc, LD-6500/LD-6501	USA	Image control program	I0 (I1-I5combined)	G00-70	A03U010_00I0_G00_7000.bin	Program file
					A03U010_00I0_G00_7000.sum	Checksum file
	Europe	Image control program	I0 (I1-I5combined)	G00-70	A03U020_00I0_G00_7000.bin	Program file
					A03U020_00I0_G00_7000.sum	Checksum file
	Asia /Pacific	Image control program	I0 (I1-I5combined)	G00-70	A03U040_00I0_G00_7000.bin	Program file
					A03U040_00I0_G00_7000.sum	Checksum file
	Taiwan	Image control program	I0 (I1-I5combined)	G00-70	A03U070_00I0_G00_7000.bin	Program file
					A03U070_00I0_G00_7000.sum	Checksum file
	China	Image control program	I0 (I1-I5combined)	G00-70	A03U080_00I0_G00_7000.bin	Program file
					A03U080_00I0_G00_7000.sum	Checksum file
	Korea	Image control program	I0 (I1-I5combined)	G00-70	A0U0091_00I0_G00_7000.bin	Program file
					A0U0091_00I0_G00_7000.sum	Checksum file
	All	Print control program	C	G00-70	A03U0Y0_00C1_G00_7000.bin	Program file
					A03U0Y0_00C1_G00_7000.sum	Checksum file

*1 C6501/C6501P/C65hc exclusive option

[Download file name]
The above programs are combined for each destination and compressed with the following names.
C6500us_g0070.zip (for USA)
C6500eu_g0070.zip (for Europe)
C6500ap_g0070.zip (for Asia/Pacific)
C6500tw_g0070.zip (for Taiwan)
C6500cn_g0070.zip (for China)
C6500ko_g0070.zip (for Korea)

[File configuration]
The file configurations are as follows.

```
C6500**_g0070.zip +---PRO_C6500
                  +---B   +---15AQ0Y0_00B1_G00_3000.bin
                          +---15AQ0Y0_00B1_G00_3000.sum
                          +---A0H20Y0_00B1_G00_5500.bin
                          +---A0H20Y0_00B1_G00_5500.sum
                  +---C   +---A03U0Y0_00C1_G00_7000.bin
                          +---A03U0Y0_00C1_G00_7000.sum
                  +---F
                  +---H   +---15BM0Y0_00H1_G00_3000.bin
                          +---15BM0Y0_00H1_G00_3000.sum
                          +---A0H00Y0_00H1_G00_5500.bin
```

+---A0H00Y0_00H1_G00_5500.sum
+---I +---I0 +---A03U***_00I0_G00_7000.bin (Other than Korea) (This release)
+---A03U***_00I0_G00_7000.sum (Other than Korea) (This release)
+---A0U0091_00I0_G00_7000.bin (Korea only) (This release)
+---A0U0091_00I0_G00_7000.sum (Korea only) (This release)
+---I1
+---I2
+---I3
+---I4
+---I5
+---J +---A0750Y0_00J1_G00_2000.bin
+---A0750Y0_00J1_G00_2000.sum
+---A0V90Y0_00J1_G00_1000.bin
+---A0V90Y0_00J1_G00_1000.sum
+---N +---N1 +---15AE0Y0_00N1_G00_2600.bin
+---15AE0Y0_00N1_G00_2600.sum
+---A0GY0Y0_00N1_G00_5500.bin
+---A0GY0Y0_00N1_G00_5500.sum
+---N2 +---A04D0Y0_00N2_G00_3400.bin
+---A04D0Y0_00N2_G00_3400.sum
+---A0DR0Y0_00N2_G00_3200.bin
+---A0DR0Y0_00N2_G00_3200.sum
+---R +---A04J0Y0_00R1_G00_4000.bin
+---A04J0Y0_00R1_G00_4000.sum
+---A0GE0Y0_00R1_G00_3500.bin
+---A0GE0Y0_00R1_G00_3500.sum

+---S +---15AT0Y0_00S1_G00_3000.bin
+---15AT0Y0_00S1_G00_3000.sum
+--- A0H10Y0_00S1_G00_5500.bin
+--- A0H10Y0_00S1_G00_5500.sum

(** depends on the spec, i.e. USA:us, Europe:eu, Asia/Pacific:ap, Taiwan:tw, China:cn, Korea:ko)
(*** depends on the spec, i.e. USA:010, Europe:020, Asia/Pacific:040, Taiwan:070, China:080)

2. Where changed

This firmware is released for the following purpose.

a. Newly added function/change of specifications
[bizhub PRO C6501/C6501P, bizhub PRO C65hc, LD-6500/6501 Common]

1) To enhance cleaning ability, and to reduce torque abnormality occurrence, the control has been changed. (For new type DU)

a) Torque abnormality prevention control (DipSW 27-2, 3)

	27-2	27-3	Remark
Pause frequency normal	0	0	Factory set value
Pause frequency high	1	0	
Pause frequency low	0	1	
No pause insertion	1	1	

By the above pause insertion, productivity slightly decreases.
Productivity becomes 92% with normal (factory default), 89% with high settings in comparison with conventional control.
Productivity is not affected by the option configuration.

b) Addition of Photoconductor drum CL band control to enhance margin against the white line to feed direction (DipSW 27-4, 5)

The frequency of CL band control can be changed by the following DIPSWs. *revised on 4th July

	27-4	27-5	Remark
Operate only by HH. Threshold of coverage is 3% or less.	0	0	Factory set value
Operate by all environments. Threshold of coverage is different by environment. HH: 3% or less, NN: 2% or less, LL:1% or less	1	0	-
Operate by all environments. Threshold of coverage is	0	1	-

different by environment. HH: 6% or less, NN: 5% or less, LL:4% or less			
None	1	1	-

Remarks: New type DU-102C (cleaning blade and lubricant brush has been changed)
<Serial number cut in>

- Unit serial No. (common for all spec): A03UA311T2100000

- 0Y4 spec: A0400Y4700000
- 0Y5 spec: A0400Y5210000
- WW2 spec: A040WW2210000

Caution:
It is no problem to use old and new type DUs mixed in one machine. However, if new type DU is installed regardless of the quantity, update the firmware to this version.

< The same as special ROM GMO-60 >
2) The CSRC setting can be saved to the USB memory and restored from the USB memory.
3) Move DIPSW19-4* function from Service mode to User mode.
*DipSW19-4: Double feed detection sensor of PFU can be turned on/off
[Utility]-[02 User Setting]-[03 Common Setting]-[Next]-[Detect Double Feed JAM]-[Off/On]

4) When the pixel ratio value on list print is corrupted, C-4860 newly occurs.
SC code can be solved by turning off and on the power switch.
Only when C-4860 occurs, it is possible to clear the pixel ratio counter by performing I/O check mode 90-04.
5) Move DIPSW23-6* function from Service mode to User mode. (For FS-521 backside stapler angle adjustment.)
Staple angle can be selected from 45 degrees and horizontal.
[Utility]-[02 User Setting]-[03 Common Setting]-[Next]-[Backside Stapler Angle]-
[Oblique/Horizontal]DIPSW23-6 (FS-521)]

< The same as special ROM GMT-60 >
6) The “CD skew Adj.” value may exceed the setting range when CD skew Adj. value calculated from the both side Adj. in every tray setting is added.
The DIPSW to enable/ disable CD skew Adj. value which is calculated by both side adj. in every tray setting is newly established..
DIPSW14-5 =0: Enable tray CD skew adj. value (default)
1: Disable tray CD skew adj. value
7） When the test pattern printing is used in the service mode and return to the normal mode, the all color density setting for the test pattern is changed to 255.
It is because if the density setting for the test pattern is set to 0 in the service mode, the test pattern in the user mode is printed by blank sheet.
8) For banner printing, the counter increment unit becomes changeable. (DipSW 9-0,1)

	9-0	9-1	Remark
1-count	0	0	Factory set value
2-count	1	0	
3-count	0	1	
4-count	1	1	

b. Correction of malfunctions

[bizhub PRO C6501/C6501P, bizhub PRO C65hc, LD-6500/6501 Common]
< The same as special ROM GMO-60 >
1) When installing ver. 60, and using CSRC modem, it is impossible to get data by using S7 command.
2) Copier HDD capacity is not displayed correctly on Fiery Web connection.
3) Engine stops printing under specific conditions.

< The same as special ROM（GMT-60）>
4) When "stability" is set on "image stability setting" and the mixed media print is done, the color registration error occurs periodically.
5) If the job is sent from the controller while the mixed originals are scanned, “Scanning the original” message is displayed and the MFP freezes.

6) While performing continuous printing using “Art post 220K”(256g, Japanese paper), “No paper” is indicated for a second and “Press start button” is indicated.
7) When connecting with GP-501, the part of PM counter is not count up.
8) On IC-408 and CSRC modem connected engine, when user shuts down IC-408 from the engine operation panel then turns OFF the sub-power switch, if CSRC communication starts, IC-408 starts up.
9) Cyan toner coverage can not be retrieved.
10) When the User and account track authentication are enable and “User/Section Auth. Connect’ is set to “Un-Connected”, the authentication behavior is acted like “Connected” is set.
11) Threshold value for banner print is different from the specification. (Specifications: 488mm and over. Machine behavior: 457 mm)

< The same as special ROM (GCS-60) >
12) Under following conditions, when the controller sends a job to MFP, it does not respond.
Conditions: MFP is connected to CSRC by modem and in Auto shut off mode.
CSRC communication is started from HOST.

3. Restrictions
Banner printing is not an function officially supported.
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4. Programs to be applied at the same time
Please apply the programs released this time together.

5. How to install
a. How to update the firmware
1) ISWTrns version that supports related unit of bizhub PRO C6500/C6500P and bizhub PRO C6501/C6501P is Ver. 3.74 and later.
ISWTrns can be downloaded from CSES (v3.74: DLBT0802087EN*). Download file name is as follows.
- iswtrnsv***e.exe *** indicates version. (Example: 374).
Please refer to the Service Manual for the detailed procedure.
ISWTrns version that supports related unit of bizhub PRO C65hc is under study. To rewrite firmware, rewrite from service port or if using ISWTrns, select “C6501” as model name.
2) When you use Service Port to update the program, copy the whole folder of the firmware, which is shown as “PRO_C6500”, onto USB memory stick. Please refer to the service manual for the update procedure.

b. How to check version
You can check the ROM version in Service mode => 08Firmware Version => 01ROM version.
Please refer to the Service Manual for the detailed procedure.

Image control	I1: A03U0Y0-00I1-G00-70
	I2: A03U0Y0-00I2-G00-50
	I3: A03U***-00I3-G00-70 (Other than Korea)
	I3: A0U091-00I3-G00-70 (Korea only)
	I4: A03U0Y0-00I4-G00-10
	I5: A03U0Y0-00I5-G00-40
Print control	C: A03U0Y0-00C1-G00-70
Multi folder	H: 15BM0Y0-00H1-G00-30 (FD-501)
	H: A0H00Y0-00H1-G00-30 (FD-503)
Saddle stitch	B : 15AQ0Y0-00B1-G00-30 (SD-501)
	B: A0H20Y0-00B1-G00-30 (SD-506)
Stapler	N1: 15AE0Y0-00N1-G00-26 (FS-503)
	N1: A0GY0Y0-00N1-G00-30 (FS-521)
Stapler	N2: A04D0Y0-00N2-G00-34 (FS-607)
	N2: A0DR0Y0-00N2-G00-32 (FS-520)
Stacker	S: 15AT0Y0-00S1-G00-30 (LS-501)
	S: A0H10Y0-00S1-G00-30 (LS-505)
RU	R: A04J0Y0-00R1-G00-40 (RU-503/504)
	R: A0GE0Y0_00R1_G00-10 (RU-506)
Perfect binder	J: A0750Y0-00J1-G00-20 (PB-501)
	J: A0V90Y0-00J1-G00-10 (PB-502)
ADF	F: A0520Y0-00F1-G00-10

(*** depends on the spec, i.e. USA:010, Europe:020, Asia/Pacific:040, Taiwan:070, China:080)

c. Notes
1) FS-607
If FS-607 is installed, please perform the adjustment below after installing the firmware.
Utility -> 03 Machine Admin Setting -> 01 System Setting -> 05 Expert Adjustment -> 04 Finisher Adjustment -> 08 Curl Adjustment. Please set all 5 items under the curl adjustment to “small”
(The setting must be changed from factory default.)
2) FS-521
If FS-521 is installed and updating this version firmware to N1:G00-1100 or earlier, readjustment is necessary. Please refer to the following.
In accordance with the optimization of distance between alignment plates for stacker and paper exit in the manufacturing process, the default value of the program has been changed. Consequently, after updating FS-521 (N1) firmware to G00-2000, readjustment of the distance between alignment plates of stacker and paper exit are necessary depending on the program version previously installed. Before updating the program, please check installed program version then perform adjustment after updating as needed.
For details, please see TNBT0800147EN*.
[Affected machine]
N1:G00-1100 or earlier ROM installed FS-521
Up to A0GY0Y1000129
Up to A0GYWY1000697
* If the program version is N1:G00-1200 or later, the adjustment is performed in the factory. Therefore, no adjustment is necessary in field. Please note that N1:G00-1200 is not released to the field as it only contains changes for the manufacturing purpose.

6. Remarks

1) The FD-503, SD-506, FS-521, LS-505, RU-506 firmware can be used in common with bizhub PRO 1200 from this release.
(FD-503, SD-506, FS-521, LS-505: Ver. G00-30 and later, RU-506: Outset of mass production version)
2) PB-502 firmware is exclusive for C6501/C6501P. No new release of C6501/C6501P firmware this time.

7. Latest program combinations

Model	Program name	ROM	ROM Type	Latest Version							
				All	Japan	USA	Europe	Asia/Pac.	Taiwan	China	Korea
bizhub PRO C6500/ C6500P C6501/ C6501P C65hc LD-6500 /6501	Image control	I0	Combined	-	A03U001	A03U010	A03U020	A03U040	A03U070	A03U080	A0U0091
				-	70	70	70	70	70	70	70
		I1	Individual	-	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0
				-	70	70	70	70	70	70	70
		I2	Individual	-	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0
				-	50	50	50	50	50	50	50
		I3	Individual	-	A03U001	A03U010	A03U020	A03U040	A03U070	A03U080	A0U0091
				-	70	70	70	70	70	70	70
		I4	Individual	-	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0
				-	10	10	10	10	10	10	10
		I5	Individual	-	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0	A03U0Y0
				-	40	40	40	40	40	40	40
	Print control	C	Combined	A03U	<-						
				70							
FD-501 *1	Multi Folder control program	H	Combined	15BM	<-						
				30							
FD-503* 2	Multi Folder control program	H	Combined	A0H0	<-						
				60							
SD-501* 1	Saddle stitcher control	B	Combined	15AQ	<-						
				30							
SD-506* 2	Saddle stitcher control	B	Combined	A0H2	<-						
				60							

FS-503*1	Stapler control	N1	Combined	15AE 26	<-
FS-521*2	Stapler control	N1	Combined	A0GY 60	<-
FS-607	Stapler control	N2	Combined	A04D 34	<-
FS-520	Stapler control	N2	Combined	A0DR 32	<-
LS-501*1	Stacker control	S	Combined	15AT 30	<-
LS-505*2	Stacker control	S	Combined	A0H1 30	<-
RU-503/ RU504*3	Relay unit control	R	Combined	A04J 40	<-
RU-506*1	Relay unit control	R	Combined	A0GE 10	<-
PB-501*1	Perfect Binder control	J	Combined	A075 20	<-
PB-502*2	Perfect Binder control	J	Combined	A0V9 10	<-
DF-609	ADF control	F	Combined	A052 10	<-

Yellow filled cell indicates the version released this time.

*1 C6500/C6500P exclusive option
*2 C6501/C6501P/ C65hc exclusive option
*3 RU-503 is only for C6500/C6500P

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